

SUMMARY OF INVENTION

MWB capitalizes on low platform cross sections at the wave zone. With main purpose of transmitting superstructure weight including those of facilities and equipment to the substructure which provides buoyancy and stability, low cross sectional area of the MWB structure enables low platform natural frequency of oscillation and minimizes cyclical vertical forces from waves. Compared to current designs, MWB offers an attractive alternative with improved platform stability, fatigue considerations, lower construction and installation costs, and shorter implementation schedule.

CLAIMS

I claim:

1. A floating platform comprising:
a superstructure; a minimized wave-zone buoyancy structure; and a substructure;
with said minimized wave-zone buoyancy structure having a low cross sectional area;
with said substructure effective in providing buoyancy and stability; and
with the minimized wave-zone buoyancy structure effective in transmitting said superstructure's weight to the substructure.
2. A floating platform according to claim 1, further comprising one or more stabilizers,
with said stabilizer or stabilizers attached to said minimized wave-zone buoyancy structure from claim 1 and effective in providing buoyancy lift.
3. A floating platform according to claim 1, further comprising:
one or more stabilizers; and limited-free-movement means;
with said stabilizer or stabilizers effective in providing buoyancy lift; and
with the stabilizer or stabilizers attached to said floating platform from claim 1 by said limited-free-movement means.
4. A floating platform according to claim 1, further comprising limited-free-movement means, with said floating platform from claim 1 anchored to ocean bottom by said limited-free-movement means.